

Product No: 101147045

SCHMERSAL Z4V7H335-02Z-2138 POSITION SWITCH CH 101147045

FEATURES

- Magnetic reed switch with thermoplastic enclosure
- Spade connector design, rectangular shape
- Terminal Connector: Flat plug-in connector 4.8 mm with shielding plate
- Actuation from the front with a bistable contact switching element
- Sensing distance range: 5 mm to 55 mm
- Maximum switching voltage: 250 VAC
- Maximum switching current: 3 A
- Maximum switching capacity: 120 W at 300 Hz
- Reed contacts technology; actuators must be ordered separately



Note: Contact symbols shown for the closed condition of the guard device. | The contact configuration for versions with or without LED is identical.

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-13
eCl@ss Number, Version 9.0	27-37-12-12
ETIM 6.0	EC000222
ETIM 7.0	EC002593
Housing Construction Form	Norm construction design
Product Type	Limit Switch
Series	335
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver

Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm ²)	2 x 0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	250
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 1 NC contacts
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.25 A

Physical Attributes

Actuator Type	Roller lever
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	30.79
Maximum Ambient Temperature (°C)	70
Maximum Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-30
Net Weight (g)	67
Storage Temperature (°C)	-40 to 85
Wire Cross-Section	0.75 mm

Dimensions

Sensor Height (mm)	84
Sensor Length (mm)	21.5

Protection & Standards

Degree of Protection	IP67
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

Resources

Product catalogue (Flipbook)	Download from here
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